

SIX NEW OTTAWA PROCTOTRYPIDÆ.

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The following descriptions of species which appear to be additions to our fauna were prepared more than a year ago, but were withheld in the hope that more material might be obtained last season. That hope was, however, not fulfilled; largely, perhaps, be it confessed, through lack of sufficient perseverance on the part of the writer in collecting:

1. *LYGOCERUS PALLIPES*, n. sp.

♀.—Length 1.5–2 mm. Black, finely punctulate and sparsely pubescent. Mandibles and palpi yellowish; antennæ black, except the scape at base and beneath; scape stout, first joint of flagellum about half as long as scape, second as long as pedicel, remaining joints subequal. Legs, including coxæ, yellow. Wings subhyaline, stigma large, yellow. Abdomen stout, pointed at tip.

♂.—Antennæ with joints three to seven dentate; joints eight and nine broadened, two terminal joints slender.

Described from two females and one male captured near Hull, Que., on 2nd, 7th and 14th August, 1897.

2. *CERAPHRON CRASSICORNIS*, n. sp.

♀.—Length 2 mm. Honey-yellow, finely pubescent and closely finely punctate. Head large, transverse; face not deeply excavated; vertex with impressed line; ocelli black, in very small triangle; antennæ much incrassated, black, except base of scape, which is honey-yellow; scape stout, reaching above ocelli, tapering from base to about middle; pedicel short, first joint of flagellum twice as long and much stouter, second joint less than one-half as long as first, joints three to seven subequal, slightly larger than thick, last obconic not much larger than preceding. Thorax with distinct median furrow; the sutures at base of scutellum with large punctures; posterior margin of scutellum and the postscutellum black, the latter with a strong truncated spine; pleura transversely striated. Legs rather stout, entirely honey-yellow. Wings narrow, abbreviated, reaching only to middle of first abdominal segment. Abdomen stout, acuminate at tip, which is brownish dorsally; first segment with deep and long striæ, black on anterior margin.

This is a large and very distinct species, of which only one female has as yet been taken.

3. *APHANOGMUS SALICICOLA*, n. sp.

♀.—Length 1.5 mm. Black shining, but with head and thorax microscopically punctate. Thorax strongly compressed laterally, not more than one-half as wide as the large transverse head. Face polished; antennæ clavate, with scape and flagellum piceous, outer joints of club black; first joint of flagellum as long as pedicel; second shorter; three to five small, transverse; six and seven enlarged, subquadrate; terminal joint stout, longer than the two preceding, and rounded at apex. Legs piceous, with the tarsi pale. Mesothorax with hardly perceptible impressed line; pleura polished; scutellum elongate and constricted at base, tip slightly projecting; tegulæ black; wings faintly yellowish, costa brownish, stigmal vein yellow, almost twice as long as marginal, oblique, slightly curved at outer end. Abdomen short.

♂.—Antennæ about as long as body, pedicel short and stout, first joint of flagellum twice as long, second slightly shorter than first, joints three to eight about one-half shorter and gradually stouter, last joint elongate oval as long as first; basal joints subpedicellate with long hairs.

Described from one female and two males bred from galls of a *Cecidomyiid*, on willow.

4. *TELEAS CANADENSIS*, n. sp.

♂.—Length 1.7 mm. Black. Front smooth; orbits with fine striæ, cheeks and lower portion of face striated, clypeus transversely striated; a finely punctured band behind the ocelli, occiput smoother, margined; mandibles stout, rufous. Antennæ about as long as the body, moderately stout and finely pubescent; scape reaching to ocelli, pedicel scarcely longer than thick, first joint of flagellum more than one-half as long as scape, second slightly shorter, remaining joints subequal, about one-half as long as first. Mesonotum at sides and base longitudinally striated, smoother medially, with some large scattered punctures, suture at base of scutellum crenate, scutellum rugosely sculptured, spine short and horizontal; tegulæ piceous, wings subfuscous, legs piceous, femora and coxæ darker, trochanters, knees, and tibiæ rufous; pleura striated and rugosely sculptured, the mesopleura smoother centrally. Abdomen short, first and second segments striate, third finely aciculated basally, irregularly longitudinally punctured toward apex.

One male taken at Hull, Que., 26th August, 1894.

5. *BARYCONUS CINCTUS*, n. sp.

♀.—Length 1.8 mm. Black, with third abdominal segment and the legs rufous or yellowish. Head and thorax closely punctulate and almost opaque; face polished, with a delicate central carina; lower cheeks and face below antennæ with striæ converging to mouth; mandibles yellowish, palpi white. Antennæ black, except base of scape, which is rufo-piceous; pedicel small, first funicular joint twice as long as pedicel, second one-third shorter than first, third as long as pedicel, fourth small, subquadrate; club compact. Mesonotum without furrows; mesopleura with striæ converging toward pectus; metathorax rugosely sculptured. Wings hyaline, pubescent; marginal vein thickened, as long as stigmal. Legs, including coxæ, honey-yellow; the anterior coxæ varying to subpiceous. Abdomen subfusiform, longer than thorax and head, black at base and apex; third segment and part of second rufous; horn reduced to a polished convexity; first and second segments coarsely striate; remainder of abdomen closely finely punctulate.

Described from three females captured 19th and 29th August, 1894, by sweeping the low herbage of sandy pastures within city limits of Ottawa.

Superficially this species resembles *Opisthacanta mellipes*, Ashm., but is readily distinguished by the absence of mesonotal furrows and of the metascutellar spine.

6. *BARYCONUS BICOLOR*, n. sp.

♀.—Length 1.8 mm. Honey-yellow, with black head. Vertex finely punctulate, face polished, lateral ocelli almost touching eyes, mandibles and labrum pale. Antennæ with scape and pedicel pale yellowish, the latter small, hardly longer than thick; funicle and club black; first funicular joint twice as long as pedicel, second one-third shorter, third as long as pedicel, fourth small transverse; club consisting of six joints subequal in length. Mesonotum punctulate and pubescent, with faint furrows. Wings faintly yellowish, pubescent, with long ciliæ on costal margin; usually hardly reaching to apex of third segment of abdomen, but in one specimen more fully developed and extending almost to tip of the abdomen. Legs yellow, the knees sometimes darker. Abdomen longer than head and thorax; first and second segments striate, third segment almost quadrate, very highly polished, but faintly microscopically punctate, as are also the terminal segments, which, however, are more opaque.

The apex of the horn, which is not prominent, is always black, as are also the apical segments, including about half of third segment.

♂.—Closely resembles ♀ in coloration. Scape and pedicel pale, the latter short, first funicular joint fully twice as long; second, third and fourth shorter, remaining joints subequal with the first, except the terminal joint, which is slightly longer and slenderer.

Described from nine females and five males captured with the preceding species. They were taken by sweeping the grass around open sandy patches, intermixed with some small, closely-cropped raspberry bushes. Although apparently abundant on that occasion, I have not since been able to obtain the species.

This insect resembles a small *Caloteleia Marlattii*, Ashm., but the head is always entirely black, and the antennæ in both sexes are very distinct from those of that species; in the ♂ they are much more slender, with the joints more elongate.

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